

Vibrator-type level sensor

Patent number: EP0499265
Publication date: 1992-08-19
Inventor: UMEZAWA TAKAYUKI (JP); KAWAKITA TAKAO (JP)
Applicant: NOHKEN INC (JP)
Classification:
- **international:** G01F23/22
- **european:** G01F23/22; G01F23/296H2
Application number: EP19920102494 19920214
Priority number(s): JP19910106964 19910214

Also published as:

 US5247832 (A1)
 JP4259823 (A)
 FI920606 (A)
 EP0499265 (A3)
 EP0499265 (B1)

[more >>](#)**Cited documents:**

 US4193291
 JP62257027

[Report a data error](#) **Abstract of EP0499265**

In a vibrator-type level sensor, a detection pipe (14) is provided projecting from a base unit (1) to be mounted to a wall of a container (8) containing a substance (100) to be detected and the detection pipe (14) has an internal vibration plate (12) attached with a vibrating piezo-electric device (16) thereon; the internal vibration plate (12) are mechanically connected through an end cap (13) to the free end of the detection pipe (14, 140), to configure a folded cantilever unit (30).

Data supplied from the **esp@cenet** database - Worldwide